

## **EDThoughts: Mathematics and Science (Session Abstract)**

*EDThoughts: What We Know About Mathematics Teaching and Learning* (McREL, 2002) and *EDThoughts: What We Know About Science Teaching and Learning* (McREL, 2001) were developed with teachers in mind. Each publication provides research-based responses to approximately 50 questions identified by mathematics and science educators. The questions are organized in the following areas: Content for All; Teaching; Assessment; Curriculum; Technology and Learning. There are three cross-cutting themes that show up in all articles in all areas: Equity; Professional Development, and Standards. The format for responses to each question are organized in an easy to use two-page format with Research and Best Practice on the left-hand page and Classroom Implications on the right-hand page. Examples include, "Can all students learn mathematics (science)?" and "What is the importance of reading and writing in the mathematics (science) curriculum?" Teaching using inquiry or problem solving, technology as tools of scientists and mathematicians, and teaching in a standards-based science or mathematics curriculum are also discussed. These research-based publications are excellent resources for classroom teachers, science and mathematics educators, professional developers, and others. Additional information can be found on the McREL website ([www.mcrel.org](http://www.mcrel.org)) or e-mail requests to [info@mcrel.org](mailto:info@mcrel.org).